

METHOD FOR PRODUCING POLYTRIMETHYLENE TEREPHTHALATE YARN

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Abstract

PROBLEM TO BE SOLVED: To provide a method for producing a PTT-POY, by which the PTT-POY can industrially stably be produced in a state controlling tight winding, yarn breakage and the automatic switch mistake of a yarn tube.

SOLUTION: This method for producing the PTT-POY, comprising melt-spinning PTT polymer, characterized by thermally treating at 50 to 170 deg.C a yarn obtained by extruding the PTT from a spinneret and then cooling and solidifying the extruded yarn, cooling the thermally treated yarn at a temperature which is not more than 55 deg.C and not more than a thermal treatment temperature, and then winding up the cooled yarn. Thereby, the PTT-POY can industrially stably be produced in a state controlling tight winding, yarn breakage and the automatic switch mistake of a yarn tube.

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